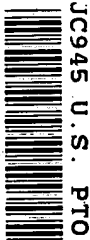


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01/17/01

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## UTILITY PATENT APPLICATION

**INVENTORS:** Chu, Fred; and  
Schneider, Kevin W.

**CASE:** Adtran.2001.01

**TITLE:** Apparatus, Method And System For Correlated Noise Reduction In A  
Trellis Coded Environment

**ASSISTANT COMMISSIONER FOR PATENTS**  
**WASHINGTON, D.C. 20231**

**SIR:**

Enclosed are the following papers relating to the above-named application for patent:

Specification, Claims and Abstract (46 pages)  
12 Informal sheets of drawings  
1 Assignment with Cover Sheet  
Declaration and Power of Attorney  
Information Disclosure Statement (1 page)

**CLAIMS AS FILED**

The fee has been calculated as shown below:

Small Entity							Large Entity	
FOR	No. Filed	No. Allowed	No. Extra	Rate	Fee	OR	Rate	Fee
Basic Fee					\$355.00	OR		\$710.00
Total Claims	57	- 20 =	37	x \$9.00	\$	OR	x \$18.00	\$666.00
Independent Claims	7	- 3 =	4	x \$40.00	\$	OR	x \$80.00	\$320.00
Multiple Dep. Claims				+ \$135.00	\$	OR	+ \$270.00	\$
Other Fees				\$	\$	OR	\$	\$
TOTAL					\$	OR	TOTAL	\$1,696.00

Please file the application. A check in the amount of \$1,696.00 is enclosed to cover the filing fee. In the event of non-payment or improper payment of required fee, the Commissioner is authorized to charge or to credit Deposit Account No. 501,262 as may be required to correct the error. Duplicate copies of this letter are enclosed.

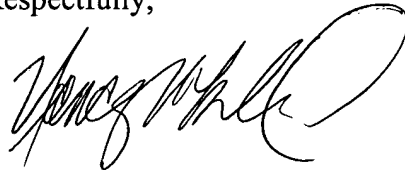
Express Mail No.  
EL031288600US

Please address all correspondence to:

Nancy R. Gamburd  
Gamburd & Associates, Ltd.  
10 South LaSalle Street, Suite 3300  
Chicago, Illinois 60603-1002

Telephone calls should be made to me at (312) 372-2920 extension 125.  
Faxes should be transmitted to me at (312) 372-7762.

Respectfully,



Nancy R. Gamburd  
Registration No. 38,147  
Attorney for Applicants

Date: January 17, 2001

**Adtran Inc.**  
**901 Explorer Boulevard**  
**Huntsville, AL 35806**